



MAX-GEAR

HIGH PERFORMANCE GEAR OIL

BEYOND SYNTHETIC®

Max-Gear is recommended for use in truck and automotive differentials, outboard motor lower units or in rear axles or manual transmissions requiring an API GL-5 or GL-4 fluid. Max-Gear is suitable for use in Limited Slip / Positrac applications.

Max-Gear is an ultra-tough, high performance, GL-5 automotive gear oil designed to provide maximum protection to heavily loaded gears while maximizing power throughput through the drive train. It outperforms other GL-5 gear oils because it combines the highest quality synthetic oils with Royal Purple's proprietary Synslide additive technology. Max-Gear makes gears run smoother, quieter, cooler and longer without overhauls.

SYNSLIDE® ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple's advanced Synslide additive technology that gives Royal Purple's EP lubricants their amazing performance advantages. Synslide additive technology truly is beyond synthetic.

Synslide additive technology, Royal Purple's tough, EP lubricating film, provides maximum protection under boundary lubrication conditions typically caused by heavily loaded, slow speed and / or shock load conditions. This tenacious, slippery film significantly improves lubrication and reduces wear by increasing the oil film thickness and toughness, which helps to prevent metal-to-metal contact in gears and bearings.

Synslide additive technology is noncorrosive to gears and bearings, including case-hardened gears that are easily pitted by conventional sulfur-phosphorus EP oils.

Synslide additive technology displaces water from metal surfaces and excels in protecting equipment in wet environments. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

PERFORMANCE ADVANTAGES

Severe Service Performance

Max-Gear exceeds Eaton's stringent GL-5 / MIL-L-2105D Gear Oil Specs. Max-Gear also is safe for GL-4 applications or bronze synchro gears.

Lower Coefficient of Friction

Max-Gear saves energy, reduces temperatures and maximizes power throughput. (OEM or aftermarket limited slip additives are not required.)

High Temperature Performance

Max-Gear eliminates harmful deposits and extends oil drain intervals.

Low Temperature Fluidity

Max-Gear meeting operating temps for vehicles operating in cold climates

Rapidly Separates From Water

Max-Gear completely separates from water, preventing an oil water emulsion

Meets Warranty Requirements

Max-Gear meets or exceeds OEM warranty requirements for GL-5 automotive rear axle hypoid gear lubrication.



Environmentally Responsible

Max-Gear components are TSCA listed and meet EPA, RCRA and OSHA requirements. Max-Gear extends oil drain intervals, eliminates premature oil changes, decreases the amount of oil purchased and disposed of and conserves energy.

		SAE GRADE			
Typical Properties*	Method	75W-90	75W-140	80W-90	85W-140
Viscosity	D445				
cSt @ 40°C		100	187	160	316
cSt @ 100°C		16.5	27.5	17.4	28.5
Brookfield Viscosity	D2983				
cP @ -12°C					
cP @ -26°C				60000	
cP @ -40°C		85000	110000		
Viscosity Index	D2270	180	185	120	120
Rust Test	D665	PASS	PASS	PASS	PASS
Foam Test, Seq III	D892	0/0/0	0/0/0	0/0/0	0/0/0
Four Ball EP Test	D2783				
Load Wear Index		66	65.2	64.6	64.1
Weld Load, kgf		315	315	315	315
Pour Point, °F/°C	D6892	-60/-51	-65/-54	-38/-39	-38/-39
Flash Point, °F/°C	D92	375/191	350/177	350/177	350/177

**Properties are typical and may vary.*